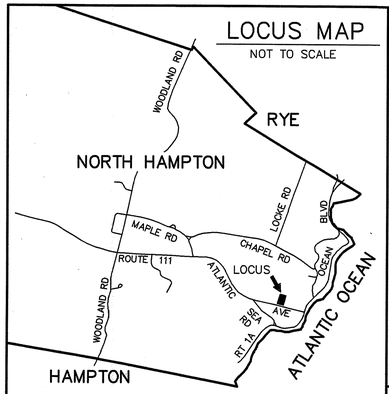
LOCUS MAP

NOT TO SCALE



SOIL CLASS: 140 CHATFIELD–HOLLIS–CANTON

(SOURCE: USDA–SCS SOIL SURVEY)

BENCH MARKS: DATUM = ASSUMED

#1 SET NAIL MAPLE ELEV 40.48

#2 SET PK ELEV 43.05

#3 WATER SHUT–OFF (LOOSE), APPROX EL 35.5

DESIGN INTENT:

1. THE BOTTOM OF THE EFFLUENT DISPOSAL SYSTEM SHALL BE CONSTRUCTED AT ELEVATION 34.5
2. THERE IS/ARE APPROX 2.5' FT BELOW ORIGINAL GROUND ON THE HIGH CONTOUR THE DESIGNED EDS. (EL 37.0)

SUITABLE REPLACEMENT AREA:

SYSTEM MUST BE REBUILT IN PLACE OR REDESIGNED.

LEGEND:

- 50 / (50) — EXISTING CONTOUR / PROPOSED CONTOUR
- 50.0 — EXISTING SPOT ELEVATION
- (50.0) — PROPOSED SPOT ELEVATION

NOTES:

1. SUBSURFACE UTILITY LINES SHOWN ARE BASED ON BEST AVAILABLE EVIDENCE, IN SOME CASES ASSUMED OR APPROXIMATED. SEE UTILITY NOTE IN PLAN VIEW.
2. NHDES–WS&PCD SUBDIVISION APPROVAL NUMBER: N/A LOT OF RECORD 1960 REF RCRD PLAN 1548–410
3. THIS SYSTEM IS NOT DESIGNED TO HANDLE GARBAGE DISPOSAL, JACUZZI BATH, OR SEWAGE EJECTOR PUMP WASTE. BACKWASH FROM WATER SOFTENER SYSTEMS SHOULD BE DISCHARGED TO A SEPARATE DRYWELL.
4. NO APPARENT SURFACE WATER, WELLS, WETLANDS, OR HYDRIC SOILS WITHIN 100' OF PROPOSED SYSTEM.

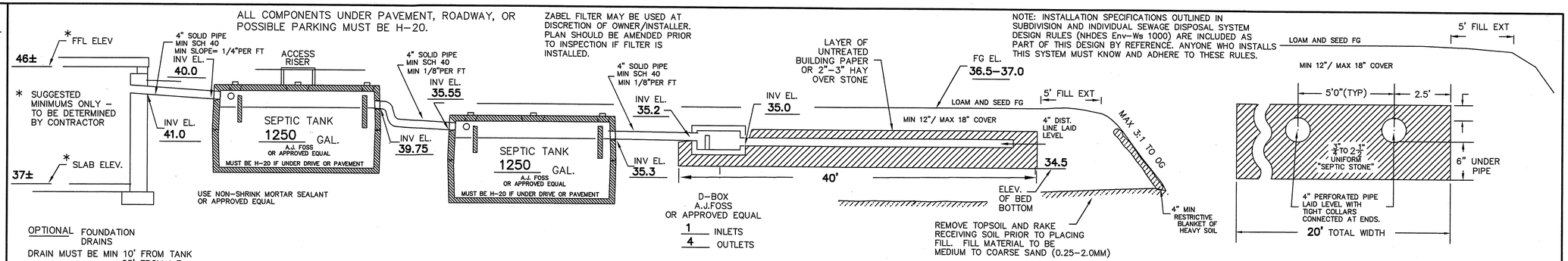
PLOT PLAN

1"=APPROX _____

ALL COMPONENTS UNDER PAVEMENT, ROADWAY, OR POSSIBLE PARKING MUST BE H–20.

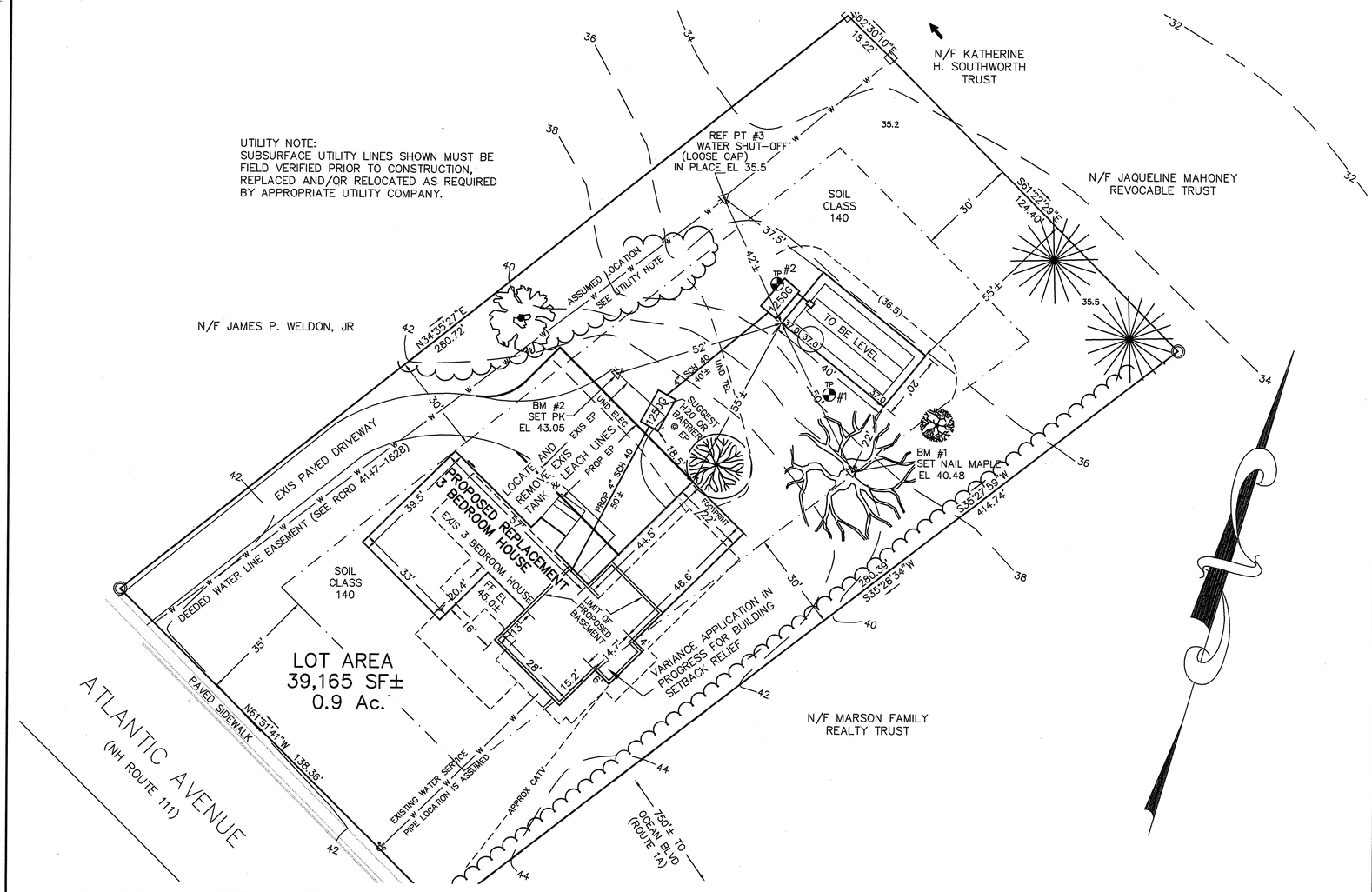
ZABEL FILTER MAY BE USED AT DISCRETION OF OWNER/INSTALLER. PLAN SHOULD BE AMENDED PRIOR TO INSPECTION IF FILTER IS INSTALLED.

NOTE: INSTALLATION SPECIFICATIONS OUTLINED IN SUBDIVISION AND INDIVIDUAL SEWAGE DISPOSAL SYSTEM DESIGN RULES (NHDES Env–Ws 1000) ARE INCLUDED AS PART OF THIS DESIGN BY REFERENCE. ANYONE WHO INSTALLS THIS SYSTEM MUST KNOW AND ADHERE TO THESE RULES.


* FFL ELEV
46±
4" SOLID PIPE MIN SCH 40 MIN SLOPE= 1/4"PER FT
INV EL. 40.0
ACCESS RISER
* SUGGESTED MINIMUMS ONLY – TO BE DETERMINED BY CONTRACTOR
INV EL. 41.0
SEPTIC TANK 1250 GAL.
A.J. FOSS OR APPROVED EQUAL
MUST BE H–20 IF UNDER DRIVE OR PAVEMENT
* SLAB ELEV.
37±
USE NON–SHRINK MORTAR SEALANT OR APPROVED EQUAL
4" SOLID PIPE MIN SCH 40 MIN 1/8"PER FT
INV EL. 35.55
INV EL. 39.75
SEPTIC TANK 1250 GAL.
A.J. FOSS OR APPROVED EQUAL
MUST BE H–20 IF UNDER DRIVE OR PAVEMENT
4" SOLID PIPE MIN SCH 40 MIN 1/8"PER FT
INV EL. 35.2
INV EL. 35.3
D–BOX A.J.FOSS OR APPROVED EQUAL
1 INLETS
4 OUTLETS
LAYER OF UNTREATED BUILDING PAPER OR 2"–3" HAY OVER STONE
INV EL. 35.0
FG EL. 36.5–37.0
LOAM AND SEED FG
5' FILL EXT
MIN 12"/ MAX 18" COVER
4" DIST. LINE LAID LEVEL
MAX 3:1 TO OG
34.5
40'
ELEV. OF BED BOTTOM
REMOVE TOPSOIL AND RAKE RECEIVING SOIL PRIOR TO PLACING FILL. FILL MATERIAL TO BE MEDIUM TO COARSE SAND (0.25–2.0MM)
4" MIN RESTRICTIVE BLANKET OF HEAVY SOIL
OPTIONAL FOUNDATION DRAINS
DRAIN MUST BE MIN 10' FROM TANK
25' FROM L.F.
OUTFALL MUST BE 35' FROM L.F.
LOAM AND SEED FG
5' FILL EXT
MIN 12"/ MAX 18" COVER
5'0"(TYP)
2.5'
1" TO 2½" UNIFORM "SEPTIC STONE"
6" UNDER PIPE
4" PERFORATED PIPE LAID LEVEL WITH TIGHT COLLARS CONNECTED AT ENDS.
20' TOTAL WIDTH

CROSS SECTION DISPOSAL SYSTEM – NOT TO SCALE

PLAN : 1"=20'


UTILITY NOTE:
SUBSURFACE UTILITY LINES SHOWN MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION, REPLACED AND/OR RELOCATED AS REQUIRED BY APPROPRIATE UTILITY COMPANY.
N/F KATHERINE H. SOUTHWORTH TRUST
S61°30'10"E 18.22'
N/F JAQUELINE MAHONEY REVOCABLE TRUST
S61°22'29"E 124.40'
REF PT #3 WATER SHUT–OFF (LOOSE CAP) IN PLACE EL 35.5
SOIL CLASS 140
37.5'
ASSUMED LOCATION
SEE UTILITY NOTE
TP #2
EL 37.0
TO BE LEVEL
(38.5)
55'±
35.5
N/F JAMES P. WELDON, JR
N34°35'27"E 280.72
BM #2 SET PK EL 43.05
TP #1
BM #1 SET NAIL MAPLE EL 40.48
S35°27'59"W 414.74'
EXIS PAVED DRIVEWAY
DEEDED WATER LINE EASEMENT (SEE RCRD 4147–1628)
LOCATE AND REMOVE EXIS LEACH LINES & TANK
PROP EP
PROP 4" SCH 40
SUGGEST BARRIER @ EP
EXIS 3 BEDROOM HOUSE
PROPOSED REPLACEMENT 3 BEDROOM HOUSE
FOOTPRINT
FF EL 45.0±
LIMIT OF PROPOSED BASEMENT
SOIL CLASS 140
LOT AREA 39,165 SF± 0.9 Ac.
VARIANCE APPLICATION IN PROGRESS FOR BUILDING SETBACK RELIEF
280.39'
S35°28'34"W
N/F MARSON FAMILY REALTY TRUST
ATLANTIC AVENUE (NH ROUTE 111)
PAVED SIDEWALK
N61°57'41"W 139.36'
EXISTING WATER SERVICE PIPE LOCATION IS ASSUMED
APPROX CATV
750'± TO OCEAN BLVD (ROUTE 1A)

SYSTEM OWNER IS RESPONSIBLE FOR THE FOLLOWING OPERATING REQUIREMENTS

ENV–WS 1023.01 (a) SEPTIC TANKS SHALL BE INSPECTED FOR ACCUMULATION OF SLUDGE AND SURFACE SCUM AT LEAST ONCE EVERY YEAR. (b) WHEN THE COMBINED THICKNESS OF SLUDGE AND SURFACE SCUM EQUAL 1/3 OR MORE OF THE TANK DEPTH, THE TANK SHALL BE PUMPED BY A LICENSED SEPTIC TANK PUMPER.

ENV–WS 1023.02 TO PREVENT OBSTRUCTION OF THE DISTRIBUTION LINES AND LEACH FIELD, GREASE AND BULKY WASTE SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV–WS 1023.03 TOXIC AND HAZARDOUS MATERIALS SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV–WS 1023.04 TO PREVENT DAMAGE TO THE DISTRIBUTION LINES AND LEACH FIELD, VEHICLES, LIVESTOCK, AND OTHER HEAVY OBJECTS SHALL NOT BE ALLOWED ON THE LEACH FIELD.

ENV–WS 1023.05 IF WET AREAS APPEAR ON THE GROUND SURFACE ABOVE THE DISTRIBUTION LINES OR LEACH FIELD OR IF DISAGREEABLE ODORS OCCUR, THE SYSTEM SHALL BE INSPECTED FOR THE SOURCE OF THESE PROBLEMS, AND CORRECTIVE ACTION SHALL BE TAKEN.

TP TEST PIT DATA

DATE: FEBRUARY 27, 2007

TOWN INSPECTOR: RICHARD BOND

TEST PIT #1 ELEV 37.5

0 –18" 10YR3/3 FINE SANDY LOAM, GRANULAR FRIABLE
18–32" 10YR4/6 GRAVELLY LOAMY SAND, GRANULAR LOOSE
32–78" 10YR4/4 COARSE SAND WITH COBBLES, SINGLE GRAIN, LOOSE

NO EVIDENCE OF ESHWT, NO REFUSAL, NO OBS H20
GOOD ROOTS TO 36"+

TEST PIT #2 ELEV 36.5

0 –12" 10YR3/3 FINE SANDY LOAM, GRANULAR FRIABLE
12–24" 10YR4/6 GRAVELLY LOAMY SAND, GRANULAR LOOSE
24–76" 10YR4/4 COARSE SAND WITH COBBLES, SINGLE GRAIN, LOOSE

NO EVIDENCE OF ESHWT, NO REFUSAL, NO OBS H20
ROOTS TO 32"+

PT PERC TEST DATA

DATE: FEBRUARY 27, 2007

PERC RATE: EST. <2 MIN/IN @ 24" DEPTH

DESIGN LOADING: EXISTING=PROPOSED= 3 BEDROOMS

AREA REQUIRED: 560 SF REQUIRED

AREA PROPOSED: 20' X 40' = 800 SF PROVIDED

PROPOSED

SEPTIC SYSTEM PLAN

TAX MAP 1 LOT 107

LOCUS: 15 ATLANTIC AVENUE
NORTH HAMPTON, NH

OWNER: MARY A. REEVES RESIDENCE TRUST
C/O KEN REEVES, TRUSTEE
20 ROSS ROAD
DURHAM, NH 03824

NEW HAMPSHIRE Designer of Subsurface Disposal Systems
Ann W. Bielobrzeski No. 348

APPLICANT:
STOCKTON SERVICES
PO BOX 1306
HAMPTON, NH 03843–1306

DATE: MARCH 29, 2007

APPROVAL: 0420070869960